

Anti-RMND1 antibody ab223119

[1 References](#) [4 Images](#)

Overview

Product name	Anti-RMND1 antibody
Description	Rabbit polyclonal to RMND1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human RMND1 aa 35-160. Database link: Q9NWS8
Positive control	WB: MCF7 and HEK-293 cell lysates; Mouse skeletal muscle lysate. IHC-P: Human adrenal gland tissue and ovarian cancer tissues. ICC/IF: MCF7 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Purification notes	Purity >95%.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab223119 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/50 - 1/200.
WB		1/500 - 1/5000. Detects a band of approximately 52 kDa (predicted molecular weight: 51 kDa).
IHC-P		1/20 - 1/200.

Target

Function

Required for mitochondrial translation, possibly by coordinating the assembly or maintenance of the mitochondrial ribosome (PubMed:23022098, PubMed:25604853).

Involvement in disease

Combined oxidative phosphorylation deficiency 11

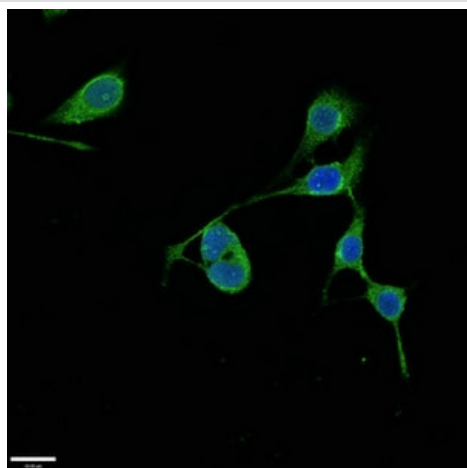
Sequence similarities

Belongs to the RMD1/sif2 family.

Cellular localization

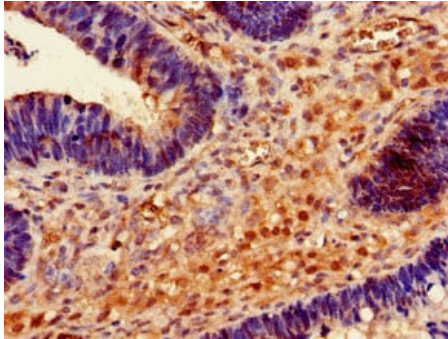
Mitochondrion. May be localized in mitochondrial RNA granules (PubMed:25604853).

Images



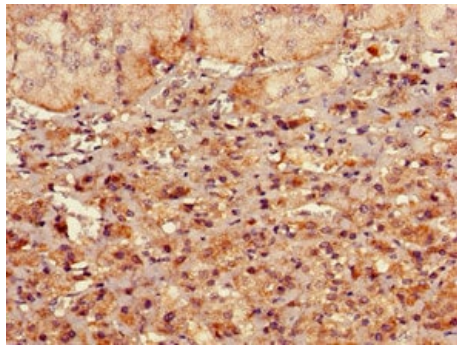
Immunocytochemistry/ Immunofluorescence - Anti-RMND1 antibody (ab223119)

MCF7 (human breast adenocarcinoma cell line) cells stained for RMND1 (green) using ab223119 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488[®] conjugated Goat Anti-Rabbit IgG (H+L).



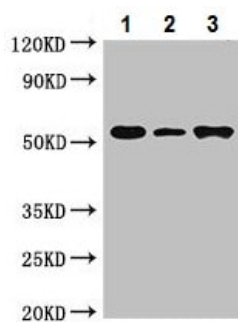
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RMND1 antibody (ab223119)

Paraffin-embedded human ovarian cancer tissue stained for RMND1 using ab223119 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RMND1 antibody (ab223119)

Paraffin-embedded human adrenal gland tissue stained for RMND1 using ab223119 at 1/100 dilution in immunohistochemical analysis.



Western blot - Anti-RMND1 antibody (ab223119)

All lanes : Anti-RMND1 antibody (ab223119) at 1/500 dilution

Lane 1 : MCF7 (human breast adenocarcinoma cell line) cell lysate

Lane 2 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lane 3 : Mouse skeletal muscle lysate

Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 51 kDa

Observed band size: 52 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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